

Patent Claims

1. Cutting tool for material-removing machining,
provided with a tool holder (10) rotatable about an axis (11) and
having at least one seat for a cartridge (13) that serves as tool
holder for a cutting insert (14) and with an adjustment device
5 having an eccentric pin (21) for radially shifting the cartridge
(13),

characterized in that

a cartridge groove (17) holds an adjustment wedge (18) that is
10 axially shiftable by means of an eccentric pin (21).

2. The cutting tool according to claim 1, characterized
in that the eccentric pin (21) is set in a radial bore (27) of the
cartridge and has an eccentric cylindrical extension (22) that
engages in a slot (23) of the adjustment wedge (18).

3. The cutting tool according to claim 1 or 2,
15 characterized in that the cartridge (13) is retained in the tool
holder (10) by a wing wedge (33) that can be locked in place by a
screw, preferably a double-thread screw (10) in the tool holder
(10), the wing wedge (33) bearing when tightened against a
20 cartridge face (31).

4. The cutting tool according to one of claims 1 to 3,
characterized in that the eccentric pin (21) is held by a retaining
sleeve (25) against radial movement.

5. The cutting tool according to one of claims 1 to 4, characterized in that the wedge angle (α) of the adjustment wedge (18) is $10^\circ \pm 2^\circ$.